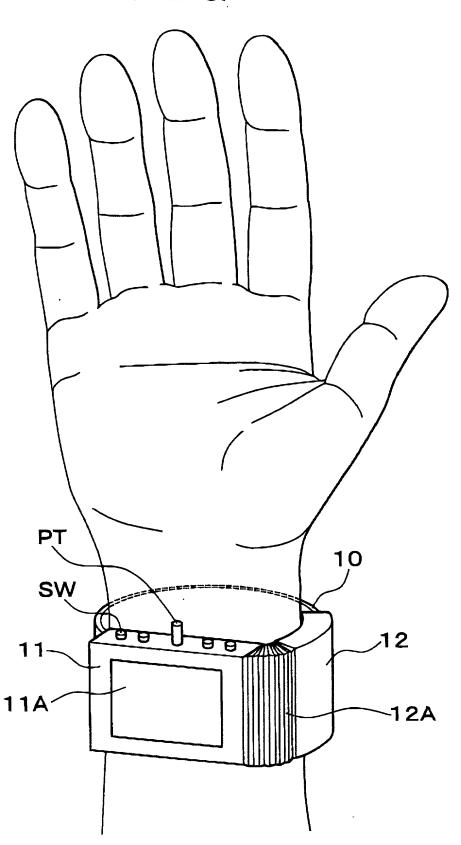
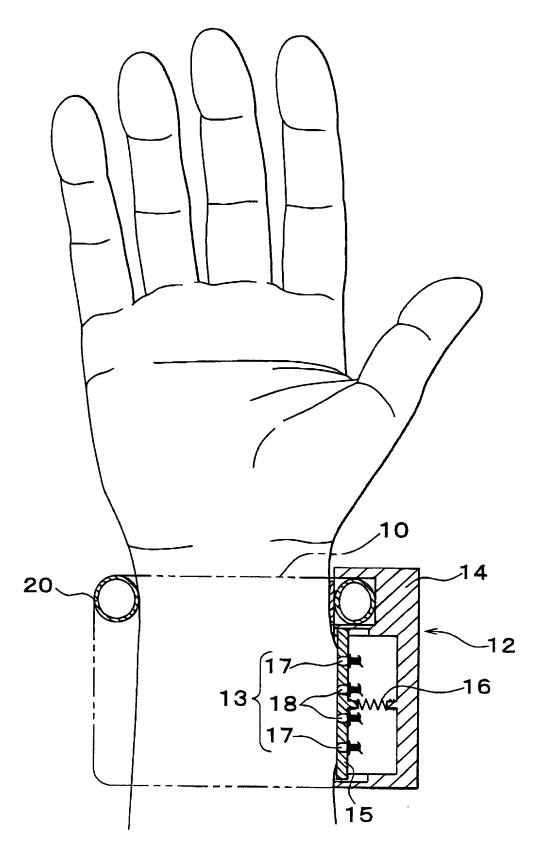
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FIG. 1



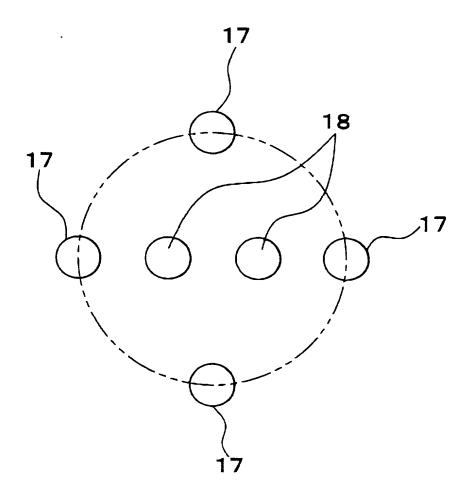
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F I G. 2



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FIG. 3

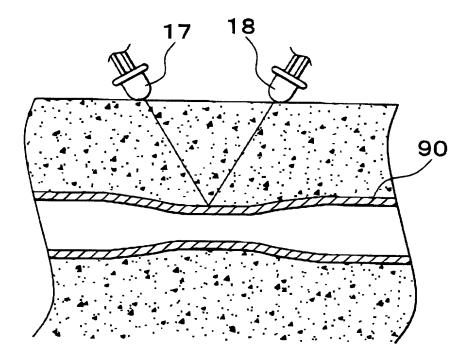


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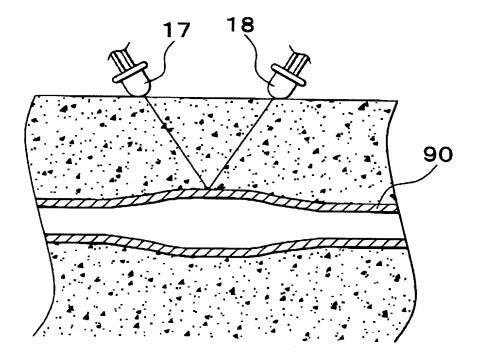
MONITOR SWITCH ပ <u>α</u> \supset MULTIPLEXER 2,4 F I G. 4 25 A/D D/A 28 AMOUNT -OF-LIGHT ADJUSTOR 29 LIGHT-RECEIVING PORTION LIGHT-EMITTING PORTION PRESSURE SENSOR 2

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FIG. 5A

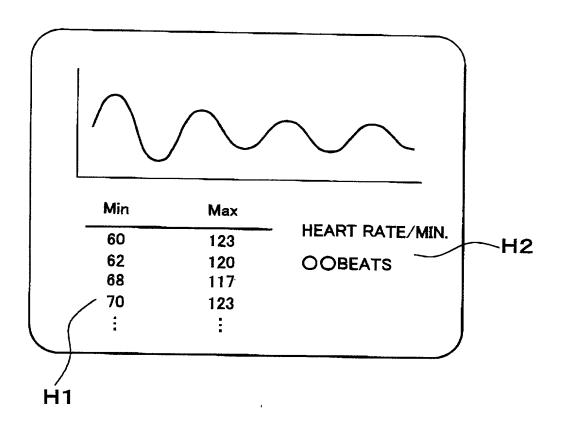


F I G. 5B



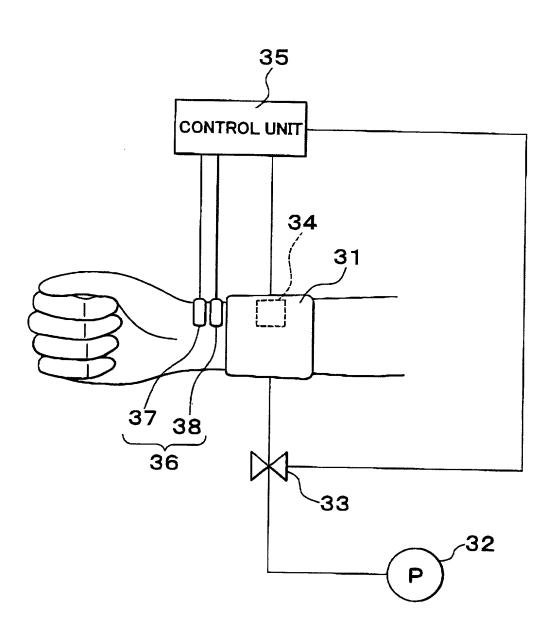
OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET 6 OF 15

F I G. 6

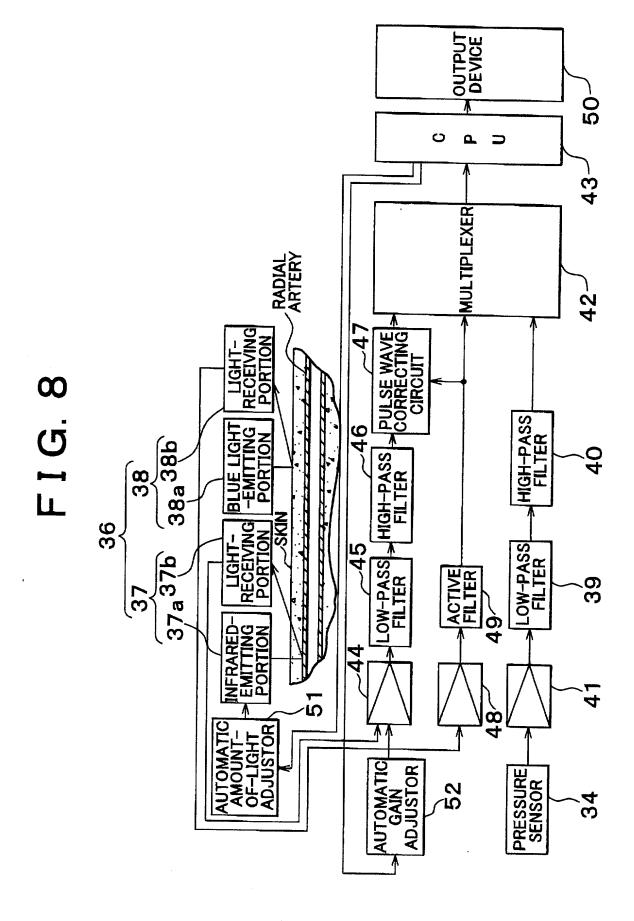


OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET _7_ OF__15_

F I G. 7

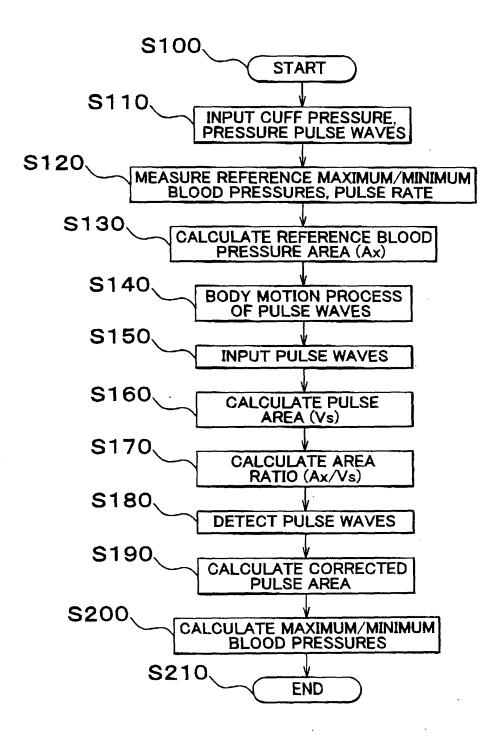


OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET 8_ OF_15_

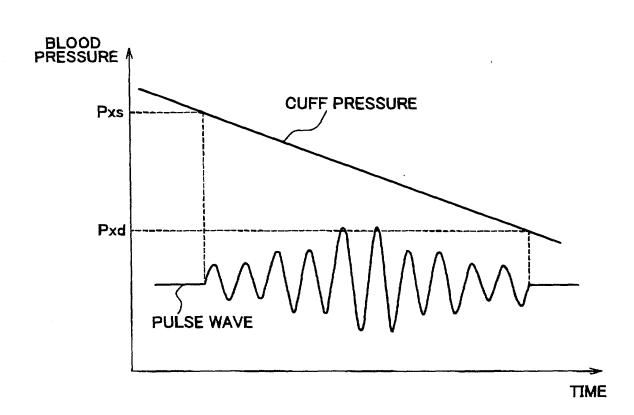


OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET 9_OF_15_

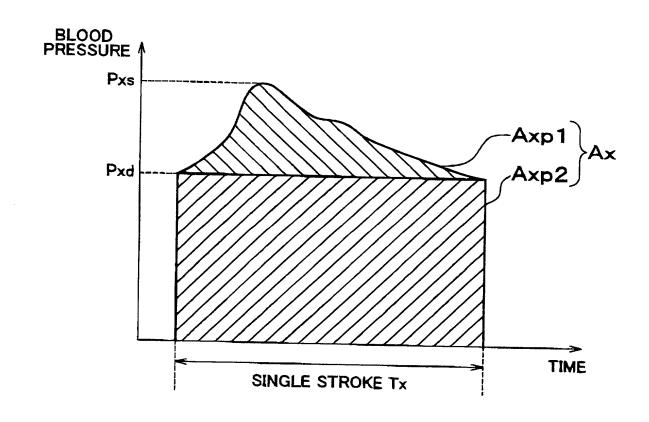
F I G. 9



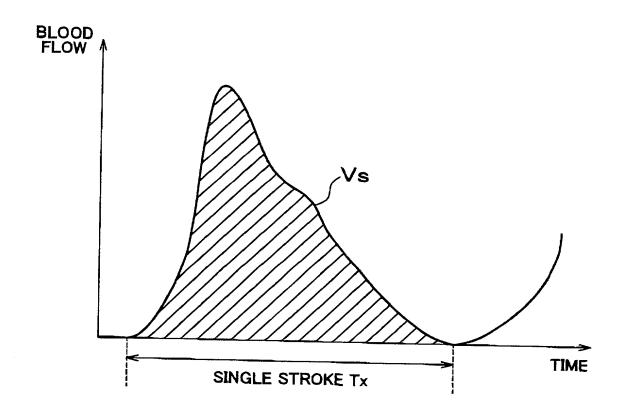
OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET 10_ OF_15_



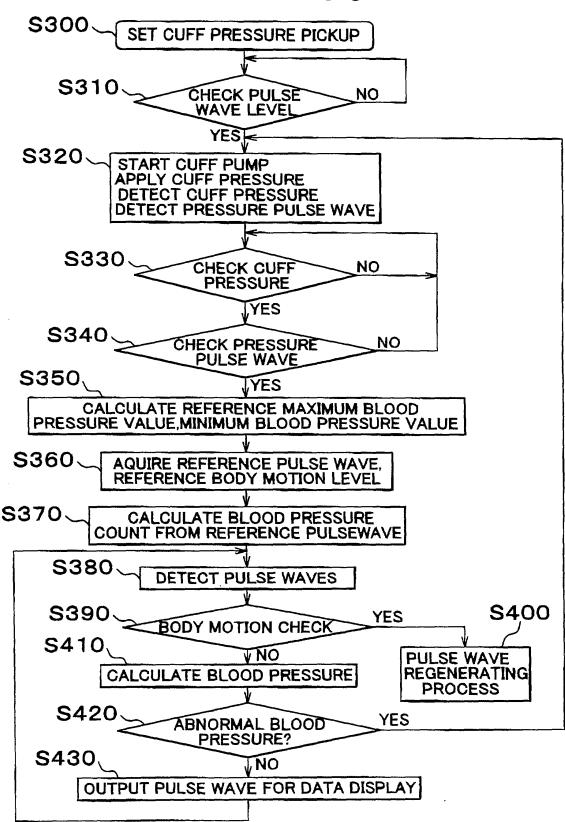
OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET _11__ OF__15_



OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET 12_ OF_15_



OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET 13_ OF_15_



OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET 14 OF 15

S430 STORE CALCULATED
VALUES OF STROKE TIME,
PULSE WAVE VOLUME FROM STROKE TIME, PULSE WAVE VOLUME **S460** CONVERT STROKE TIME, PULSE WAVE LEVEL INTO AVERAGES OF PAST FIG. 14 2 CALCULATE STROKE MASS **DETECT PULSE WAVE** STROKE TIME CHECK AVERAGE PULSE WAVE LEVEL BODY MOTION? YES S410

OBLON, SPIVAK, ET AL DOCKET #: 216109US2X INV: Shinji KONDO ET AL SHEET 15_ OF_15_

